S. 614.71 H2m Aug, 1979

3 0864 1006 5769 4

STATE DOCUMENTS COLLECTION

OCT 2 : 1979

MONTANA STATE LIBRAR 930 E Lyndale Ave. Helena. Montana 59601

MONTANA DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES

Monthly Activities Report of the Air Quality Bureau

August, 1979

1. Highlights:

A new State Planner was hired and began work August 6. He will be working with the transportation portion of the SIP

Several MAPS reports were finalized and printed for distribution.

2. Ambient Air Quality Standards:

- a. Standards Exceeded: The network system is presently being revised; therefore this information is not available.
- b. Air Stagnation Advisories: None in August
- c. Laboratory Status:

Total Determinations for Month 1919
Total Samples for Month 318

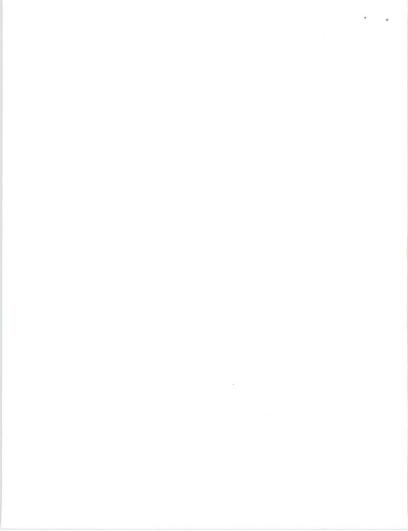
3. Permits and Tax Credits:

a. Permits, applied for

McIntyre Construction, Wheatland Co., crusher
McIntyre Construction, Flathead Co, crusher and hot plant
American Colloid, Malta, bentonite dryer
ASARCO, East Helena, stack equipment for baghouse
Westmoreland, Hysham, coal mine
Konitz Construction, Fergus & Judith Basin Cos., crushers
Konitz Construction, Cascade, Choteau, & Lewis & Clark Cos., crushers
McIntyre Construction, Teton Co., crusher
Baltrusch Construction, Hill Co., crusher
Meyer Construction, Granite Co., drum dryer; asphalt plant
Meyer Construction, Granite Co., gravel crusher

Permits approved:

Dept. of Highways, Missoula and Ravalli Co., hot plant Dept. of Highways, Flathead Co., asphalt plant Mickens Brothers, Sanders Co., gravel crusher Clark Brothers, Missoula, Ravalli Cos., crusher B & N Construction, Sanders Co., crusher Wickens, Rosebud Co., crusher Wickens, Rosebud Co., crusher Markovich Paving, Lewis & Clark Co., hot plant R. J. Studer, Custer Co., dryer mixer, wet scrubber Portable Pavers, Fallon Co., asphalt plant Gus Albert, Sheridan, crusher Clark Brothers, Mineral Co., portable gravel crusher



Monthly Report Page 2 August, 1979

c. Tax Credits: None in August

4. Variance Status:

a. Current

ASARCO, rule 16-2.14(1)-S1470(2), Sulfur Oxide Emissions applicable to lead-zinc complex, final compliance due June 30, 1980

Berg Lumber, rule 16-2.14(1)-S1490, Open Burning, final compliance date June, 1980

The Anaconda Co., application for variance from sulfur oxide emissions, hearing pending

Anaconda Aluminum, application for variance from fluoride emissions, hearing pending.

b. New - None

5. Enforcement Actions:

a. Citations:

Plum Creek Lumber (C & C Plywood), Evergreen, MT 790807-DH-1; #2 boiler in violation of rule 16-2.14(1)-S1460(1) Visible Air Contaminants, Restrictions

American Asphalt, Kalispell, MT $\,$ 790810-DH-1 $\,$ Asphalt plant stack in violation of rule 16-2.14(1)-S1460(2) Visible Air Contaminants, Restrictions

Baltrusch Construction, Swan Lake Road. 790806-DH-1; asphalt plant in violation of rule 16-2.14(1)-S1440-1, Particulate Matter, Airborne

Flathead County, Kalispell 790809-BR-1, Asphalt plant stack in violation of rule 16-2.14(1)-S1460(2), Visible Air Contaminants, Restrictions

Louisiana Pacific, Missoula 790832-SS-1; particle board plant boiler stack in violation of rule 16-2.14(1)-S1460(2), Visible Air Contaminants

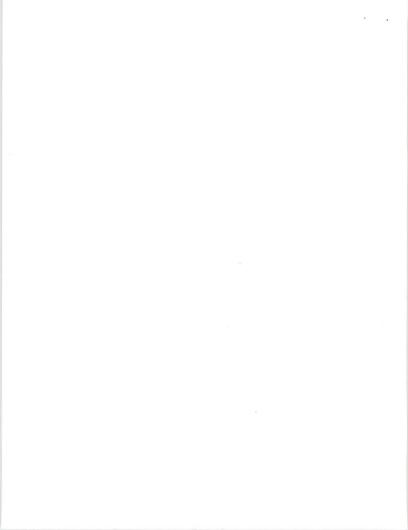
b. Notice of Violations

Kaiser Cement, Montana City N-790820-DH-1; Operation in violation of rule 16-2.14(1)-S1415, Permits, Construction and Operation

c. Order to take Corrective Actions - None in August

6. Tepee Burner and Open Burning

Tepee burner: Number in operation - 20



Open Burning Permits Issued:

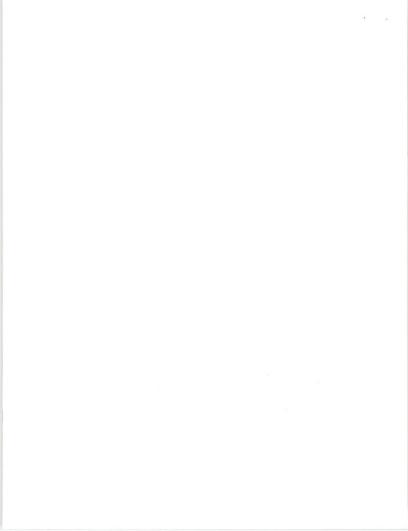
Kalispell Office	47	Sanders County	0
Cascade County	7	Yellowstone County	17
Lake County	0	Rest of State	180
Missoula County	1	Total	242

7. Source Tests Performed:

None in August

Field Investigations:

Plum Creek Lumber, Evergreen, inspection, Citation issued American Timber, Olney, inspection Plum Creek Lumber, Fortine, inspection Louisiana Pacific, Deer Lodge, inspection American Asphalt, Kalispell, inspection, Citation issued Kennedy Stevens, Eureka, inspection Stoltze Conner, Darby, inspection Champion (S&W), Darby, inspection Diamond International, Superior, inspection Idaho Cedar Sales, Superior, inspection Louisiana Pacific, Trout Creek, inspection Meyer Construction, Helmville, inspection Baltrusch Construction, Swan Lake, inspection, Citation issued Ideal Cement, Trident, inspection Cypress Products, Three Forks, inspection Kanta Products, Three Forks, inspection Kalmont Lumber, Kalispell, inspection Pack & Co., Kalispell, inspection Klinger Lumber Co., Kalispell, inspection Equity Supply 1 & 2, Kalispell, inspection Ksanka Lumber Co., Fortine, inspection J & D Lumber, Polson, inspection Champion Building Products (Intermountain), Missoula, inspection Evans Products, Missoula, inspection Louisiana-Pacific, Missoula, Citation issued upon inspection Champion International (Bonner), inspection Flathead County, Kalispell, asphalt plant, citation issued City of Kalispell asphalt plant, inspection Stoltze Land & Lumber, Columbia Falls, inspection Missoula White Pine & Sash, Missoula, inspection Missoula County asphalt plant, Missoula, inspection Nicholson Paving, Missoula, inspection American Asphalt, Missoula, inspection Western Materials, Missoula, inspection Pyramid Lumber, Seeley Lake, inspection City of Missoula asphalt plant, Missoula, inspection



Monthly Report Page 4 August, 1979

9. Complaints:

C & C Plywood, Kalispell, smoke, inspection Montana Plywood, Kalispell, unburned particles in grain field, inspection Goulding Creek Road, Musselshell Co., dust, investigated Anaconda Co., Anaconda, sulfur emissions, inspection (five complaints) Plum Creek, Columbia Falls, fallour, referred to Champion International Pierce Packing, Billings, odor, referred to Yellowstone County Air Pollution Control agency (2 complaints)

Northwest RJymeric, Hamilton, plastic wastes, giving away high density polyethelene, contacted plant by telephone
Super Building Products, Columbia Falls, dumping wood waste, referred to

Chief, Volunteer Fire Department
Deer Lodge Co., Landfill, Anaconda, smoke, investigated
Dugdale Construction, Butte, dust and odors

10. Data Processing Services:

- a. Ambient Data Summary See attached for month of July
- b. Emission Inventory Status:

Contract approved for having the EIS/P&R system modified to meet more fully the needs of the Bureau. Contractor will begin work on September 1.

- c. Prevention of Significant Deterioration no activities in August
- d. Modeling None

11. Environmental Impact Statements:

 The final EIS on Ambient Air Standards is presently undergoing rewriting and editing.

12. Status of Studies, Contracts and Reports

MAPS Meteorology - field work is continuing. Air Resources Modeling System report, Deer Lodge Valley Dispersion Study, and First Year Meteorology Summary reports have been distributed.

Poplar River - field work continuing. Second year data summary report has been sent to printer.

Flathead River Basin Study - field work continuing. First Year report draft is completed. Final report is due in September.

MAPS COPD report is undergoing final revision. Report should be printed by October.

MAPS Emission Inventory, received the final report from MRI for update and improvement.



Monthly Report Page 5 August, 1979

13. Schools and Training:

Fuel Conservation Program required by Governor's Office was attended by several bureau employees.

14. Meetings:

a. Public Hearings Held

None in August

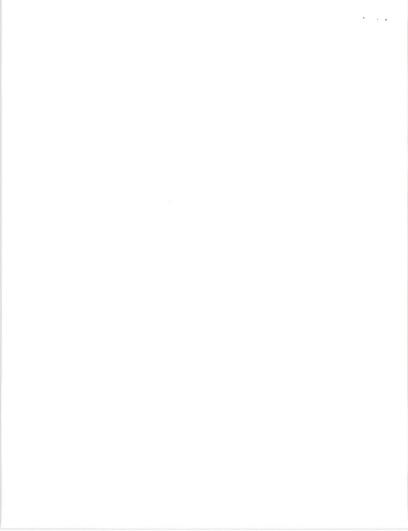
b. Meetings attended:

Industry representatives regarding ambient air quality standards, Helena MAPS meeting, Missoula, regarding goals for the next biennium study OBPP representative, Helena, regarding objectives and function of the bureau Manager's meeting, Helena, Division Administrators meeting, Helena Staff meetings, Bureau MAPS staff meetings, Bureau Met with Department of Highway and Olson-Elliott, Helena, regarding DESPUR

15. Public Information Requests:

Received requests for the following documents:

MAPS Mutagen Report
Poplar River Report
MAPS Meteorology Reports
Air Quality rules
Clean Air Act
State Implementation Plan
Draft EIS on ambient standards



MONTANA DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES

MONTHLY SUMMARY OF AIR QUALITY DATA p. 1 of 2

July 1979

Poll	utant: Total Susp	ended Pa	rticulate		Jnits: m	icrograms	/m ³
	AREA	HIGH	READING		ARITHMET	IC AVER.	
AQCR	Site Location	Current Month	Year-to -Date	Running Year	Year-to- Date	No. of Mons. of Data	Connents
140	Morton-Decker	59	112	112	40	7	
	Big Horn Co. Warren Ranch	38	52	110	24	7	
	Big Horn Co. KGHL	81	81	155	44	7	
	Billings City Hall	100	288	288	87	7	
	Billings Grand Ave. Sch.	86	302	302	73	7	
	Billings Central Park Billings	212	246	246	77	7	l exc Fed Sec Sto
	Laurel Jr. High	-		- *··	-	-	}
141	Hospital Roof Great Falls			-*-	_		
	Fire Sta. #1			- *			
	Great Falls Kiwanis Park	89	111	111	44	7	
142	Great Falls HiWay Jct.	67	86	86	42	7	
	Anaconda Lincoln School	84	303	303	44	7	
	Anaconda Floral Park	56	112	112	57	7	

Pollu	tant: Total Suspe	ended Par	ticulate		Units: E	oro grans	/m ^o
	AREA	HIGH	READING		ARITHME	PIC AVER.	
RQCR	Site Location	Current Month	Year-to -Date	Running Year	Year-to -Date	No. of Mons. of Data	Comments
142	Or. Canty Res.	124	181	181	74	7	
	Granite Co. Greeley School Sutte	105	196	196	90	7	
	Hebgen Park Butte	173	225	225	81	7	1 exc Fed Sec St
	Tierney Res. Silver Bow Co.	62	80	81	40	7	
	Microwave	68	89	89	39	7	
	212 E. Pacific East Helena	181	181	201	83	7	1 exc Fed Sec S
	Cogswell 81dg.	89	238	238	72	7	
143		146	146	146	30	7	
	Lame Deer Rosebud Co.	143	143	143	18	7	
	Fort Peck McCone Co.	100	100	100	21	7	
	BN Site Colstrip	98	98	138	38	7	
İ	McRae Site Colstrip	52	69	69	21	7	
	Border Site Scobey	48	48	80	17	7	
144	Anders Residenc	1	375	375	145	7	2 exc Fed Sec S
	NAAC Col. Falls	42	63	63	27	7	

Pollutant: Total Suspended Particulate

Sutte McKinley Res Granite Co.

97 142 49 7

	AREA	HIGH RI				CIC AVER.		- 1
vQCR	Site Location	Month Month	Year- to-Date	Running Year	Year- to-Date	No. of Mons. of Data	Comments	
44	Ronan Lake County	224	311	311	105	7		
	Polson Lake County	63	169	169	71	6		
	Libby-Brown Lincoln Co.	220	610	1384	216	7		1
	Kalispell-Strom	140	343	343	93	7		
	Courthouse Roof Missoula	155.4	267	267	91.4	7	exc Fed Sec Std	
	Lion's Park Missoula	161.5	419.4	419.4	98.7	7	1 exc Fed Sec Std	
	Rose Park Missoula	132.1	317.3	317.3	94.3	7		
	Hoerner Wald. #1 Missoula Co.	77.6	117.9	117.9	42.9	7		
	Hoerner Wald. #2 Missoula Co.	86.9	157.7	201	45.4	7		
	Kalispell Airpor Flathead Co.	89	120	120	58	6		
			-		1			

Units micrograms/m3

	Respirable	Particulate	-		2
Pollutant:		Dichotomous	Sampler	Units:	micrograms/m ³

	AREA	HIGH I	READING		ARITHME	TIC AVER			
AQCR	Site Location	Current Month	Year- to-Date	Running Year	Year- to-Date	No. of Mons. of Data	Comments		
140	Central Park 8illings coarse fine								
141	Kiwanis Park Great Falls coarse fine Lincoln School Anaconda coarse fine Hebpen Park Sutte coarse fine Floral Park FS Sutte coarse fine toarse fine		Oat	a unavaii report checks	awaiti				
143	Border Site Scobey coarse fine								
144	Lion's Park Missoula coarse fine Courthouse Roos Missoula								

coarse fine Kalispell Airport Flathead Co. coarse

^{* -} data unavailable at time of report.



MONTANA DEPARIMENT OF HEALTH AND ENVIRONMENTAL SCIENCES MONTHLY SUMMARY OF AIR QUALITY DATA

Pollutant: Miscellaneous Continuous Data

0.082 0.105 0.110 0.027

0.070 0.070 0.070 0.037

0.061

0.075

0.068 0.077 0.038

· · · · · ·

AQCR Site Location

142

144 Lion's Park

144 Lion's Park

140

142 Lincoln School

144 Lion's Park

Butte

Anaconda

Missoula

Butte

drocarbons 142 Hebgen Park

Lincoln School

Anaconda

Ozone Central Park Billings

Anaconda

Heboen Park

Butte

Lincoln School

Units: ppm

HIGH READING ARITHMETIC AVER. Current Year-to Nons. c Comments Month -Date Year Date Carbon Monoxide Alpine West ÷ 3 0 1.6 3.0 7 2.5 1.82

0.028

ARITHMETIC AVER ABRA QCR Site Location -Date Year -Oate tonth

Nitrogen Ofoxide Central Park 140 8111ings incoln School 0.035 0.035 0.004 142 0.023 Anaconda ebgen Park Butte 144 Lion's Park 0.058 0.014 Missoula Sulfur Oioxide 140 Central Park 0.245 0.245 0.245 0.011 Billings 0.350 0.350 ockwood School 0.245 Billings. Laurel Farm 0.25 0.74 -0.74 0.037 Laurel 2.75 0.028 142 Hiway Jct. 0.9B 2.30 Anaconda Mill Creek 0.74 1.62 1.62 0.035 Anaconda 0.93 1.03 1.03 0.027 incoln School Anaconda Hebgen Park Butte Microwave 0.09

Pollutant: Miscelaneous Indicators

Units

I No. of

Pollutant: Miscellaneous Indicators

Jefferson Co.

roudy Ranch Jefferson Co.

AREA

Fluoride Papers

Flathead Co.

Flathead Co.

Anaconda South

AOCR Site Location

144 Oehlbom's Mt Bo 0.08

HIGH READING

Month to-Date Year

mg/sq. 0.96

2.34 11.42 Units: Yearto-Date

0.42

ำกร 1 78

11.42 4.94

0.69 0.69

ARITHMETIC AVER

Comments

ARITHMETIC AVER Current Year-Yearto-Date Mons. of AQCR Site Location Month to-Date Year Oustfall-tons/sq Mountain States Great Falls Fire Sta. #1 Great Falls 140 141 142

WICH DEADING

	Sulfation Rate-m West Cenex	0.43	0.56	0.56	0.37	7			Glac. Nat. Park			**	
	Billings	0.40	0.30	0.30	0.07	l ′		1	Glacier Park #2				
	Farm E of Cenex	0.45	1.51	1.51	0.96	7	1	1	Glac. Nat. Park				
	Billings	U.40	1.51	1.51	0.90	/		1	Glacier Park #9	0.37	0.37	0.37	0.30
					1	ļ.		1	Glac. Nat. Park				
	Stock Car Track				1	i .		1	Fluoride Plates		cm/30_da	/S	
	Great Falls				1			144	Anaconda South	2.B9	26.22	26.22	B.00
	Phillips Ref N 1				l		1 1		Flathead Co.				
	Great Falls			*	l		1		Trailer - NAAC	1.42	1.73	1.73	1.25
	Phillips Ref E	1		. *	l		1 1	1	Flathead Co.				
	Great Falls				l .	ł	1	1	Glacier Park #1	0.45	0.86	0.86	0.41
	Містоначе			***	l	1			Glac. Nat. Park				
	East Helena				i	1	1	1	Glacier Park #2			44	
		0.28	0.37	0.37	0.23	7	1		Glac. Nat. Park				
	East Helena				1	1	1	1	Glacier Park #9	0.29	0.29	0.29	0.23
	East Stack Sta.	0.17	0.47	0.47	0.26	7	1	1	Glac. Nat. Park				
	East Helena					l	1 1	1	SO2 Bubbler - pp				
	Broudy Ranch	0.12	0.27	0.27	0.11	7-	1 1	142	Border Site	0.0	0.0	0.0	0.0
	East Helena					1		143	Scobey	0.0	0.0		
	2580 Prickly Pear	0.04	0.31	0.31	0.14	7	1 1	1	NO2 Bubbler - pp		1	1	
	East Helena					1		143	Border Site	0.0	0.0	0.0	0.0
	Grant-Kohrs - C	0.11	0.11	0.11	0.11	1	1 1	143	Scobey	0.0	1		
	Powell Co.							1	Scopey		i	l .	
	i			l .		l		1	1		l		l .
								_					
_	A late or a								** - site discont	houni			
	* - data unavai	lable at	time or i	report.					- 3100 0130011	inaca			
	*** - sample inva												

Comments

Comments